

Rosenthal, Steven

From: Wagner, Anna on behalf of R5AirEnforcement
Sent: Monday, April 22, 2019 12:41 PM
To: Rosenthal, Steven; Miller, Patrick
Subject: FW: HTC 2019 Q1 EE Report
Attachments: Q1 2019 HTC EPA EE Report.pdf

FYI

From: Niemi, Tasha M <Tasha.Niemi@clevelandcliffs.com>
Sent: Tuesday, April 09, 2019 2:46 PM
To: R5AirEnforcement <R5AirEnforcement@epa.gov>
Subject: HTC 2019 Q1 EE Report

Please see the attached report for Hibbing Taconite Company:

Name of the Regulated Party:	Hibbing Taconite Company
Name of Facility Contact:	Julie Lucas
Permit Number :	13700061
Air Quality File Number:	541/Agency Interest ID #1146
List of Reports Submitted:	HTC 1Q 2019 Excess Emissions Report
Date of Submission:	4/9/2019
Where Facility is Located:	Hibbing, St. Louis County, MN

Sincerely,
Tasha Niemi



TASHA NIEMI
Environmental Representative - Plant
P 218.262.6884 tasha.niemi@clevelandcliffs.com

CLEVELAND-CLIFFS INC.
Hibbing Taconite Company
4950 Hwy 5 North, PO Box 589, Hibbing, MN 55746-0589
P 218.262.5950 F 218.262.6877 clevelandcliffs.com

This electronic message and any attachments included with this message are for the exclusive use of the individual or entity to which it is intended to be addressed. This message may contain information that is privileged or confidential and thereby exempt and protected from unauthorized disclosure under applicable law. If the reader of this message is not the intended recipient, or an employee or agent responsible for delivering the message to the intended recipient, be

aware that any disclosure, dissemination, distribution or copying of this communication, or the use of its contents, is not authorized and is strictly prohibited. If you have received this communication and are not the intended recipient, please notify the sender immediately and permanently delete the original message from your e-mail system.



HIBBING TACONITE COMPANY
Managed by Cliffs Mining Company
4950 County Highway 5 North, P.O. Box 589, Hibbing, MN 55746-0589
P 218.262.5950 clevelandcliffs.com

April 9, 2019

Regional Administrator
Air and Radiation Division
US EPA, Region 5 (A-18J)
77 West Jackson Boulevard
Chicago, IL 60604
R5airenforcement@epa.gov

**Re: Hibbing Taconite Company's Quarter 1 2019
Excess Emissions & Monitoring Performance Report
Permit Number 13700061**

To Whom It May Concern:

Hibbing Taconite Company (HTC) is subject to the 2016 Revision to 2013 Taconite Federal Implementation Plan Establishing BART for Taconite Plants (FIP) which requires the installation of Continuous Emission Monitors (CEMS) to monitor nitrogen oxides (NO_x) and sulfur dioxide (SO₂). This submittal satisfies the requirements of 40 CFR 52.1235(e)(7).

Per 40 CFR 52.1235(c)(4)(v), HTC is to provide a report of each performance evaluation and QA/QC check within 60 days of completion. The most recent performance evaluation results were submitted to the EPA on February 12th, 2019 from cylinder gas audits performed during January/February 2019. A summary of the results are attached in Attachment A. During the reporting period, there were no out-of-control periods from the daily calibration drift assessments.

HTC does not have a limit in effect at this time associated with the NO_x CEMS, therefore the proposed NO_x limit listed in the FIP is not yet enforceable. The initial SO₂ limit came into effect during the 1st Quarter 2017 reporting period and was revised on April 11, 2018 to 347.4 lbs SO₂/hr. Attached is HTC's Quarterly Excess Emissions and Monitoring System Performance Report. Considering that HTC's NO_x limit is not yet enforceable, HTC's report will contain a zero (0) in the boxes related to excess emission events. Periods of downtime that occurred during this reporting quarter are listed by monitor in the attached report.

Please contact Julie Lucas at (218) 262-6856 or julie.lucas@clevelandcliffs.com if you have any questions regarding this report.

I certify, based on the information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Sincerely,



Edward LaTendresse
General Manager

Cc: Julie Lucas, HTC
Jason Aagenes, Cleveland Cliffs

Attachment A: Quality Control Reporting

Relative Accuracy Test Audit Results

Cylinder Gas Audit Results

RATA's									
Emission Unit (EU)	Stack Vent (SV)	EU Description	Monitor	Pollutant	Audit Date	Results (%)	Next Test Due	Pass/Fail	Comments
020	021	Furnace Line One, Stack 1	No MR	NO _x	7/18/2018	1.7	3rd Quarter, 2019	Pass	Results less than 20%
				SO ₂	7/18/2018	2.1	3rd Quarter, 2019	Pass	Results less than 20%
	022	Furnace Line One, Stack 2	No MR	NO _x	7/19/2018	8.3	3rd Quarter, 2019	Pass	Results less than 20%
				SO ₂	7/19/2018	10.0	3rd Quarter, 2019	Pass	Results less than 20%
	023	Furnace Line One, Stack 3	No MR	NO _x	7/18/2018	2.3	3rd Quarter, 2019	Pass	Results less than 20%
				SO ₂	7/18/2018	2.2	3rd Quarter, 2019	Pass	Results less than 20%
	024	Furnace Line One, Stack 4	No MR	NO _x	7/19/2018	9.9	3rd Quarter, 2019	Pass	Results less than 20%
				SO ₂	7/19/2018	10.9	3rd Quarter, 2019	Pass	Results less than 20%
021	025	Furnace Line Two, Stack 4	No MR	NO _x	7/17/2018	4.8	3rd Quarter, 2019	Pass	Results less than 20%
				SO ₂	8/17/2018	6.6	3rd Quarter, 2019	Pass	Results less than 20%
	026	Furnace Line Two, Stack 3	No MR	NO _x	7/17/2018	2.2	3rd Quarter, 2019	Pass	Results less than 20%
				SO ₂	7/17/2018	2.5	3rd Quarter, 2019	Pass	Results less than 20%
	027	Furnace Line Two, Stack 2	No MR	NO _x	7/17/2018	8.2	3rd Quarter, 2019	Pass	Results less than 20%
				SO ₂	7/17/2018	10.7	3rd Quarter, 2019	Pass	Results less than 20%
	028	Furnace Line Two, Stack 1	No MR	NO _x	7/17/2018	11.9	3rd Quarter, 2019	Pass	Results less than 20%
				SO ₂	7/17/2018	7.6	3rd Quarter, 2019	Pass	Results less than 20%
022	029	Furnace Line One, Stack 1	No MR	NO _x	7/16/2018	5.2	3rd Quarter, 2019	Pass	Results less than 20%
				SO ₂	7/16/2018	1.8	3rd Quarter, 2019	Pass	Results less than 20%
	030	Furnace Line One, Stack 2	No MR	NO _x	7/16/2018	8.5	3rd Quarter, 2019	Pass	Results less than 20%
				SO ₂	7/16/2018	5.4	3rd Quarter, 2019	Pass	Results less than 20%
	031	Furnace Line One, Stack 3	No MR	NO _x	7/16/2018	8.3	3rd Quarter, 2019	Pass	Results less than 20%
				SO ₂	7/16/2018	10.7	3rd Quarter, 2019	Pass	Results less than 20%
	032	Furnace Line One, Stack 4	No MR	NO _x	7/16/2018	7.3	3rd Quarter, 2019	Pass	Results less than 20%
				SO ₂	7/16/2018	3.3	3rd Quarter, 2019	Pass	Results less than 20%

*The full RATA report has previously been submitted to the EPA. Refer to the referenced report for more information.

CGA's									
Emission Unit (EU)	Stack Vent (SV)	EU Description	Monitor	Pollutant	Audit Date	Results (L/M%)	Next Test Due	Pass/Fail	Comments
020	021	Furnace Line One, Stack 1	No MR	NO _x	2/4/2019	0.3/1.7	2nd Quarter, 2019	Pass	None
				SO ₂	1/29/2019	2.6/1.8	2nd Quarter, 2019	Pass	
	022	Furnace Line One, Stack 2	No MR	NO _x	2/4/2019	1.1/2.7	2nd Quarter, 2019	Pass	
				SO ₂	1/29/2019	2.7/3.5	2nd Quarter, 2019	Pass	
	023	Furnace Line One, Stack 3	No MR	NO _x	2/4/2019	0.8/0.8	2nd Quarter, 2019	Pass	
				SO ₂	1/29/2019	4.8/0.7	2nd Quarter, 2019	Pass	
024	Furnace Line One, Stack 4	No MR	NO _x	2/4/2019	1.7/0.3	2nd Quarter, 2019	Pass		
			SO ₂	1/29/2019	6.6/0.1	2nd Quarter, 2019	Pass		
021	025	Furnace Line Two, Stack 4	No MR	NO _x	1/29/2019	0.9/1.5	2nd Quarter, 2019	Pass	None
				SO ₂	2/1/2019	4.9/3.2	2nd Quarter, 2019	Pass	
	026	Furnace Line Two, Stack 3	No MR	NO _x	1/29/2019	2.4/1.5	2nd Quarter, 2019	Pass	
				SO ₂	2/1/2019	5.7/3.7	2nd Quarter, 2019	Pass	
	027	Furnace Line Two, Stack 2	No MR	NO _x	1/29/2019	0.2/1.1	2nd Quarter, 2019	Pass	
				SO ₂	2/1/2019	1.3/0.0	2nd Quarter, 2019	Pass	
028	Furnace Line Two, Stack 1	No MR	NO _x	1/29/2019	1.3/0.3	2nd Quarter, 2019	Pass		
			SO ₂	2/1/2019	5.0/2.5	2nd Quarter, 2019	Pass		
022	029	Furnace Line One, Stack 1	No MR	NO _x	1/31/2019	0.5/1.7	2nd Quarter, 2019	Pass	None
				SO ₂	2/6/2019	3.3/0.9	2nd Quarter, 2019	Pass	
	030	Furnace Line One, Stack 2	No MR	NO _x	1/31/2019	2.0/2.9	2nd Quarter, 2019	Pass	
				SO ₂	2/6/2019	4.9/1.2	2nd Quarter, 2019	Pass	
	031	Furnace Line One, Stack 3	No MR	NO _x	1/31/2019	2.3/2.0	2nd Quarter, 2019	Pass	
				SO ₂	2/6/2019	1.7/0.5	2nd Quarter, 2019	Pass	
032	Furnace Line One, Stack 4	No MR	NO _x	1/31/2019	2.3/2.0	2nd Quarter, 2019	Pass		
			SO ₂	2/6/2019	4.3/1.5	2nd Quarter, 2019	Pass		
* Alternate Specification in PPM if noted with asterisk									

Cylinder Gas Audit Information						
Gas	Test Level	Analyzers	Cylinder ID Number	Date of Certification	Type of Certification	Certified Audit Value
NOX	Low	SV021-SV032	CC486540	2/8/2018	EPA Protocol	50.64
NOX	Mid	SV021-SV032	EB0094336	3/27/2018	EPA Protocol	99.06
SO2	Low	SV021-SV024	CC400334	11/7/2017	EPA Protocol	12.61
SO2	Low	SV025-SV032	CC416844	8/13/2018	EPA Protocol	12.69
SO2	Mid	SV021-SV024	CC50524	8/20/2017	EPA Protocol	24.49
SO2	Mid	SV025-SV032	CC414268	11/7/2017	EPA Protocol	24.93

Attachment B: Excess Emissions Report

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: January 1, 2019 - March 31, 2019
 Company Name: Hibbing Taconite Company
 Company Address: 4950 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU020, EU021, EU022
 Process Unit Description: Pellet Indurating Furnace Line No. 1, 2 & 3; straight grate indurating furnaces.
 Total Source Operating Time in Reporting Period: See Individual Stacks
 Total Source Operating Days in Reporting Period: See Individual Stacks
 Emission Limitation: 347.4 lbs SO₂/hr (30 day rolling average)
 Analyzer Analyte: SO₂
 Analyzer Manufacturer: See Individual Stacks
 Analyzer Manufacturer Model No.: See Individual Stacks
 Analyzer Serial Number: See Individual Stacks
 Date of Latest CMS Certification or Audit: See Individual Stacks
 Description of changes in CEMS, processes, or controls since last reporting period: See Individual Stacks

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

Excess Emissions Details					
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Corrective Action
There were no periods of excess emissions during this reporting period					

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
See Individual Stacks				

**Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)**

Reporting Period Dates: January 1, 2019 - March 31, 2019
 Company Name: Hibbing Taconite Company
 Company Address: 4950 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU020
 Process Unit Description: Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.
 Total Source Operating Time in Reporting Period: 1,740 hours
 Total Source Operating Days in Reporting Period: 74 days
 Emission Limitation: N/A
 Analyzer Analyte: NOX
 Analyzer Manufacturer: See Individual Stacks
 Analyzer Manufacturer Model No.: See Individual Stacks
 Analyzer Serial Number: See Individual Stacks
 Date of Latest CMS Certification or Audit: See Individual Stacks
 Description of changes in CEMS, processes, or controls since last reporting period: See Individual Stacks

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
See Individual Stacks				

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: January 1, 2019 - March 31, 2019
 Company Name: Hibbing Taconite Company
 Company Address: 4950 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU020 SV021
 Process Unit Description: Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.
 Total Source Operating Time in Reporting Period: 1,740 hours
 Total Source Operating Days in Reporting Period: 74 days
 Emission Limitation: N/A
 Analyzer Analyte: NOX
 Analyzer Manufacturer: Teledyne Monitor Labs
 Analyzer Manufacturer Model No.: T200M
 Analyzer Serial Number: 225
 Date of Latest CMS Certification or Audit: 2/4/2019
 Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	15.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	15.0
3. Total CMS Downtime (%)	0.86%

Excess Emissions Details					
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Corrective Action
There were no periods of excess emissions during this reporting period					

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
1/29/19 23:00	1/30/2019 13:59	15.0	Non-Monitor equipment malfunctions	Extreme cold caused freeze up. Returned to operation. Followed SSM plan.
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

**Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)**

Reporting Period Dates: January 1, 2019 - March 31, 2019
 Company Name: Hibbing Taconite Company
 Company Address: 4950 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU020 SV021
 Process Unit Description: Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.

Total Source Operating Time in Reporting Period: 1,740 hours
 Total Source Operating Days in Reporting Period: 74 days
 Emission Limitation: N/A
 Analyzer Analyte: SO₂
 Analyzer Manufacturer: Teledyne Monitor Labs
 Analyzer Manufacturer Model No.: T100H
 Analyzer Serial Number: 137
 Date of Latest CMS Certification or Audit: 1/29/2019

Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	15.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	15.0
3. Total CMS Downtime (%)	0.86%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period.						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
1/29/19 23:00	1/30/2019 13:59	15.0	Non-Monitor equipment malfunctions	Extreme cold caused freeze up. Returned to operation. Followed SSM plan.
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: January 1, 2019 - March 31, 2019
 Company Name: Hibbing Taconite Company
 Company Address: 4950 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU020 SV021
 Process Unit Description: Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.
 Total Source Operating Time in Reporting Period: 1,740 hours
 Total Source Operating Days in Reporting Period: 74 days
 Emission Limitation: N/A
 Analyzer Analyte: Stack Flow
 Analyzer Manufacturer: Sick Mahlak
 Analyzer Manufacturer Model No.: FLSE 100-H K178 35SHS
 Analyzer Serial Number: 13436339/8398564
 Date of Latest CMS Certification or Audit: 7/16/2018
 Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details					
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions
There were no periods of excess emissions during this reporting period.					

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: January 1, 2019 - March 31, 2019
 Company Name: Hibbing Taconite Company
 Company Address: 4950 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU020 SV022
 Process Unit Description: Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.
 Total Source Operating Time in Reporting Period: 1,740 hours
 Total Source Operating Days in Reporting Period: 74 days
 Emission Limitation: N/A
 Analyzer Analyte: NOX
 Analyzer Manufacturer: Teledyne Monitor Labs
 Analyzer Manufacturer Model No.: T306M
 Analyzer Serial Number: 226
 Date of Latest CMS Certification or Audit: 2/4/2019
 Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period.						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: January 1, 2019 - March 31, 2019
 Company Name: Hibbing Taconite Company
 Company Address: 4950 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU020 SV022
 Process Unit Description: Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.
 Total Source Operating Time in Reporting Period: 1,740 hours
 Total Source Operating Days in Reporting Period: 74 days
 Emission Limitation: N/A
 Analyzer Analyte: SO2
 Analyzer Manufacturer: Teledyne Monitor Labs
 Analyzer Manufacturer Model No.: T100H
 Analyzer Serial Number: 135
 Date of Latest CMS Certification or Audit: 12/29/2019
 Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details					
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Corrective Action
There were no periods of excess emissions during this reporting period.					

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: January 1, 2019 - March 31, 2019
 Company Name: Hibbing Taconite Company
 Company Address: 4950 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU020 SV022
 Process Unit Description: Pellet Indurating Furnace Line No. 1; straight grate Indurating furnace.
 Total Source Operating Time in Reporting Period: 1,740 hours
 Total Source Operating Days in Reporting Period: 74 days
 Emission Limitation: N/A
 Analyzer Analyte: Stack Flow
 Analyzer Manufacturer: Sick Malthak
 Analyzer Manufacturer Model No.: FLSE 100-H K178 35HSHS
 Analyzer Serial Number: 11318686/ 11318687
 Date of Latest CMS Certification or Audit: 7/19/2018
 Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details					
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Corrective Action
There were no periods of excess emissions during this reporting period.					

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

**Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)**

Reporting Period Dates: January 1, 2019 - March 31, 2019
 Company Name: Hibbing Taconite Company
 Company Address: 4950 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU020 SV023
 Process Unit Description: Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.
 Total Source Operating Time in Reporting Period: 1,740 hours
 Total Source Operating Days in Reporting Period: 74 days
 Emission Limitation: N/A
 Analyzer Analyte: NOX
 Analyzer Manufacturer: Teledyne Monitor Labs
 Analyzer Manufacturer Model No.: T300M
 Analyzer Serial Number: 224
 Date of Latest CMS Certification or Audit: 2/4/2019
 Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period.						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: January 1, 2019 - March 31, 2019
 Company Name: Hibbing Taconite Company
 Company Address: 4950 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU020 SV023
 Process Unit Description: Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.
 Total Source Operating Time in Reporting Period: 1,740 hours
 Total Source Operating Days in Reporting Period: 74 days
 Emission Limitation: N/A
 Analyzer Analyte: SO2
 Analyzer Manufacturer: Teledyne Monitor Labs
 Analyzer Manufacturer Model No.: T100H
 Analyzer Serial Number: 134
 Date of Latest CMS Certification or Audit: 1/29/2019
 Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period.						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: January 1, 2019 - March 31, 2019
Company Name: Hibbing Taconite Company
Company Address: 4950 Hwy 5 North
Hibbing MN
Process Unit Identification: EU020 SV023

Process Unit Description: Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.

Total Source Operating Time in Reporting Period: 1,740 hours
Total Source Operating Days in Reporting Period: 74 days
Emission Limitation: N/A
Analyzer Analyte: Stack Flow
Analyzer Manufacturer: Sick Mahlak
Analyzer Manufacturer Model No.: FLSE 100-H K178 35HS/HS
Analyzer Serial Number: 113186681 11318679
Date of Latest CMS Certification or Audit: 7/16/2018

Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	4.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	4.0
3. Total CMS Downtime (%)	0.23%

Excess Emissions Details					
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Corrective Action
There were no periods of excess emissions during this reporting period					

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
01/08/2019 17:00	01/08/2019 17:59	1.0	Monitor equipment malfunctions	Thawed frozen flow meter. Returned to operation. Followed SSM Plan
01/09/2019 06:00	01/09/2019 07:59	2.0	Monitor equipment malfunctions	Thawed frozen flow meter. Returned to operation. Followed SSM Plan
01/16/2019 04:00	01/16/2019 04:59	1.0	Monitor equipment malfunctions	Thawed frozen flow meter. Returned to operation. Followed SSM Plan
		0.0		
		0.0		
		0.0		
		0.00		
		0.00		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: January 1, 2019 - March 31, 2019
 Company Name: Hibbing Taconite Company
 Company Address: 4950 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU020 SV024
 Process Unit Description: Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.
 Total Source Operating Time in Reporting Period: 1,740 hours
 Total Source Operating Days in Reporting Period: 74 days
 Emission Limitation: N/A
 Analyzer Analyte: NOX
 Analyzer Manufacturer: Teledyne Monitor Labs
 Analyzer Manufacturer Model No.: T200M
 Analyzer Serial Number: 215
 Date of Latest CMS Certification or Audit: 2/4/2019
 Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period.						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: January 1, 2019 - March 31, 2019
 Company Name: Hibbing Taconite Company
 Company Address: 4950 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU020 SV024
 Process Unit Description: Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.

Total Source Operating Time in Reporting Period: 1,740 hours
 Total Source Operating Days in Reporting Period: 74 days
 Emission Limitation: N/A
 Analyzer Analyte: SO2
 Analyzer Manufacturer: Teledyne Monitor Labs
 Analyzer Manufacturer Model No.: T100H
 Analyzer Serial Number: 135
 Date of Latest CMS Certification or Audit: 1/29/2019

Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details					
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Corrective Action
There were no periods of excess emissions during this reporting period.					

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: January 1, 2019 - March 31, 2019
 Company Name: Hibbing Taconite Company
 Company Address: 4950 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU020 SV024
 Process Unit Description: Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.
 Total Source Operating Time in Reporting Period: 1,740 hours
 Total Source Operating Days in Reporting Period: 74 days
 Emission Limitation: N/A
 Analyzer Analyte: Stack Flow
 Analyzer Manufacturer: Sick Mafhak
 Analyzer Manufacturer Model No.: FLSE 100-H K178 35HSHS
 Analyzer Serial Number: 18118323/11168507
 Date of Latest CMS Certification or Audit: 7/19/2018

Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details					
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Corrective Action
There were no periods of excess emissions during this reporting period.					

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: January 1, 2019 - March 31, 2019
 Company Name: Hibbing Taconite Company
 Company Address: 4950 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU021
 Process Unit Description: Pellet Indurating Furnace Line No. 2; straight grate indurating furnace.
 Total Source Operating Time in Reporting Period: 1,732 hours
 Total Source Operating Days in Reporting Period: 75 days
 Emission Limitation: N/A
 Analyzer Analyte: NOX
 Analyzer Manufacturer: See Individual Stacks
 Analyzer Manufacturer Model No.: See Individual Stacks
 Analyzer Serial Number: See Individual Stacks
 Date of Latest CMS Certification or Audit: See Individual Stacks
 Description of changes in CEMS, processes, or controls since last reporting period: See Individual Stacks

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

Excess Emissions Details					
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions
There were no periods of excess emissions during this reporting period					

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
See Individual Stacks				
		0.00		
		0.00		
		0.00		
		0.00		
		0.00		
		0.00		
		0.00		

**Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)**

Reporting Period Dates: January 1, 2019 - March 31, 2019
 Company Name: Hibbing Taconite Company
 Company Address: 4550 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU021 SV025
 Process Unit Description: Pellet Indurating Furnace Line No. 2; straight grate indurating furnace.
 Total Source Operating Time in Reporting Period: 1,732 hours
 Total Source Operating Days in Reporting Period: 75 days
 Emission Limitation: N/A
 Analyzer Analyte: NOX
 Analyzer Manufacturer: Teledyne Monitor Labs
 Analyzer Manufacturer Model No.: T200M
 Analyzer Serial Number: 199
 Date of Latest CMS Certification or Audit: 1/29/2019
 Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details					
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Corrective Action
There were no periods of excess emissions during this reporting period.					

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: January 1, 2019 - March 31, 2019
 Company Name: Hibbing Taconite Company
 Company Address: 4950 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU021 SV025
 Process Unit Description: Pellet Indurating Furnace Line No. 2; straight grate indurating furnace.
 Total Source Operating Time in Reporting Period: 1,732 hours
 Total Source Operating Days in Reporting Period: 75 days
 Emission Limitation: N/A
 Analyzer Analyte: SO2
 Analyzer Manufacturer: Teledyne Monitor Labs
 Analyzer Manufacturer Model No.: T100H
 Analyzer Serial Number: 117
 Date of Latest CMS Certification or Audit: 2/1/2019
 Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period.						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

**Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)**

Reporting Period Dates: January 1, 2019 - March 31, 2019
 Company Name: Hibbing Taconite Company
 Company Address: 4950 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU021 SV025
 Process Unit Description: Pellet Indurating Furnace Line No. 2; straight grate indurating furnace.
 Total Source Operating Time in Reporting Period: 1,732 hours
 Total Source Operating Days in Reporting Period: 78 days
 Emission Limitation: N/A
 Analyzer Analyte: Stack Flow
 Analyzer Manufacturer: Sick Matriak
 Analyzer Manufacturer Model No.: FLSE 100-H K178 35RSHS
 Analyzer Serial Number: 11318582/ 11318559
 Date of Latest CMS Certification or Audit: 7/17/2018
 Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	31.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	31.0
3. Total CMS Downtime (%)	1.79%

Excess Emissions Details					
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Corrective Action
There were no periods of excess emissions during this reporting period					

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
1/1/19 20:00	1/1/2019 21:59	2.0	Monitor equipment malfunctions	Thawed frozen flow meter. Returned to operation. Followed SSM plan.
1/2/19 2:00	1/2/2019 9:59	8.0	Monitor equipment malfunctions	Thawed frozen flow meter. Returned to operation. Followed SSM plan.
1/2/19 14:00	1/3/2019 6:59	17.0	Monitor equipment malfunctions	Thawed frozen flow meter. Returned to operation. Followed SSM plan.
3/4/19 4:00	3/4/2019 7:59	4.0	Monitor equipment malfunctions	Thawed frozen flow meter. Returned to operation. Followed SSM plan.
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: January 1, 2019 - March 31, 2019
 Company Name: Hibbing Taconite Company
 Company Address: 4850 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU021 SV926
 Process Unit Description: Pellet Indurating Furnace Line No. 2; straight grate indurating furnace.
 Total Source Operating Time in Reporting Period: 1,732 hours
 Total Source Operating Days in Reporting Period: 75 days
 Emission Limitation: N/A
 Analyzer Analyte: NOX
 Analyzer Manufacturer: Teledyne Monitor Labs
 Analyzer Manufacturer Model No.: T200M
 Analyzer Serial Number: 179
 Date of Latest CMS Certification or Audit: 1/29/2019

Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period.						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: January 1, 2019 - March 31, 2019
 Company Name: Hibbing Taconite Company
 Company Address: 4950 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU021 SV026

Process Unit Description: Pellet Indurating Furnace Line No. 2; straight grate indurating furnace.

Total Source Operating Time in Reporting Period: 1,732 hours
 Total Source Operating Days in Reporting Period: 75 days
 Emission Limitation: N/A
 Analyzer Analyte: SO2
 Analyzer Manufacturer: Teledyne Monitor Labs
 Analyzer Manufacturer Model No.: T160H
 Analyzer Serial Number: 115
 Date of Latest CMS Certification or Audit: 2/1/2019

Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details					
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Corrective Action
There were no periods of excess emissions during this reporting period.					

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: January 1, 2019 - March 31, 2019
 Company Name: Hibbing Taconite Company
 Company Address: 4950 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU021 SV026
 Process Unit Description: Pellet Indurating Furnace Line No. 2; straight grate indurating furnace.
 Total Source Operating Time in Reporting Period: 1,732 hours
 Total Source Operating Days in Reporting Period: 75 days
 Emission Limitation: N/A
 Analyzer Analyte: Stack Flow
 Analyzer Manufacturer: Sick Mahlak
 Analyzer Manufacturer Model No.: FLSE 100-H K178 35SHSH
 Analyzer Serial Number: 11318672/11318685
 Date of Latest CMS Certification or Audit: 7/17/2018
 Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details					
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Corrective Action
There were no periods of excess emissions during this reporting period.					

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: January 1, 2019 - March 31, 2019
 Company Name: Hibbing Taconite Company
 Company Address: 4950 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU021 SV027
 Process Unit Description: Pellet Indurating Furnace Line No. 2; straight grate indurating furnace.
 Total Source Operating Time in Reporting Period: 1,732 hours
 Total Source Operating Days in Reporting Period: 75 days
 Emission Limitation: N/A
 Analyzer Analyte: NOX
 Analyzer Manufacturer: Teledyne Monitor Labs
 Analyzer Manufacturer Model No.: T200M
 Analyzer Serial Number: 197
 Date of Latest CMS Certification or Audit: 1/29/2019
 Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details					
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Corrective Action
There were no periods of excess emissions during this reporting period.					

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: January 1, 2019 - March 31, 2019
Company Name: Hibbing Taconite Company
Company Address: 4950 Hwy 5 North
Hibbing MN
Process Unit Identification: EU021 SV027

Process Unit Description: Pellet Indurating Furnace Line No. 2; straight grate indurating furnace.

Total Source Operating Time in Reporting Period: 1,732 hours
Total Source Operating Days in Reporting Period: 75 days
Emission Limitation: N/A
Analyzer Analyte: SO2
Analyzer Manufacturer: Teledyne Monitor Labs
Analyzer Manufacturer Model No.: T100H
Analyzer Serial Number: 118
Date of Latest CMS Certification or Audit: 2/1/2019

Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details					
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Corrective Action
There were no periods of excess emissions during this reporting period.					

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: January 1, 2019 - March 31, 2019
 Company Name: Hibbing Taconite Company
 Company Address: 4950 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU021 SV027
 Process Unit Description: Pellet Indurating Furnace Line No. 2; straight grate Indurating furnace.
 Total Source Operating Time in Reporting Period: 1,732 hours
 Total Source Operating Days in Reporting Period: 75 days
 Emission Limitation: N/A
 Analyzer Analyte: Stack Flow
 Analyzer Manufacturer: Sick Mafhak
 Analyzer Manufacturer Model No.: FLSE 100-H K178 35HSHS
 Analyzer Serial Number: 11318634/ 11318691
 Date of Latest CMS Certification or Audit: 7/17/2018
 Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	3.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	3.0
3. Total CMS Downtime (%)	0.17%

Excess Emissions Details					
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Corrective Action
There were no periods of excess emissions during this reporting period					

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
3/11/19 16:00	3/11/2019 20:59	3.0	Monitor equipment malfunctions	Flow meter cleaned. Returned to operation. Followed SSM plan.
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: January 1, 2019 - March 31, 2019
 Company Name: Hibbing Taconite Company
 Company Address: 4550 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU021 SV028
 Process Unit Description: Pellet Indurating Furnace Line No. 2; straight grate indurating furnace.
 Total Source Operating Time in Reporting Period: 1,732 hours
 Total Source Operating Days in Reporting Period: 75 days
 Emission Limitation: N/A
 Analyzer Analyte: NOX
 Analyzer Manufacturer: Teledyne Monitor Labs
 Analyzer Manufacturer Model No.: T200M
 Analyzer Serial Number: 198
 Date of Latest CMS Certification or Audit: 12/29/2019
 Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details					
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Corrective Action
There were no periods of excess emissions during this reporting period.					

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

**Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)**

Reporting Period Dates: January 1, 2019 - March 31, 2019
 Company Name: Hibbing Taconite Company
 Company Address: 4550 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU021 SV028

Process Unit Description: Pellet Indurating Furnace Line No. 2; straight grate indurating furnace.

Total Source Operating Time in Reporting Period: 1,732 hours
 Total Source Operating Days in Reporting Period: 75 days
 Emission Limitation: N/A
 Analyzer Analyte: SO2
 Analyzer Manufacturer: Teledyne Monitor Labs
 Analyzer Manufacturer Model No.: T100H
 Analyzer Serial Number: 119
 Date of Latest CMS Certification or Audit: 2/1/2019

Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details					
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Corrective Action
There were no periods of excess emissions during this reporting period.					

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: January 1, 2019 - March 31, 2019
 Company Name: Hibbing Taconite Company
 Company Address: 4950 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU021 SV02a
 Process Unit Description: Pellet Indurating Furnace Line No. 2; straight grate Indurating furnace.
 Total Source Operating Time in Reporting Period: 1,732 hours
 Total Source Operating Days in Reporting Period: 76 days
 Emission Limitation: N/A
 Analyzer Analyte: Stack Flow
 Analyzer Manufacturer: Sick Mahlak
 Analyzer Manufacturer Model No.: FLSE 100-H K178 35SHS
 Analyzer Serial Number: 11318678/ 11318673
 Date of Latest CMS Certification or Audit: 7/17/2018
 Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	4.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	4.0
3. Total CMS Downtime (%)	0.23%

Excess Emissions Details					
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Corrective Action
There were no periods of excess emissions during this reporting period					

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
01/29/2019 02:00	01/29/2019 03:59	2.0	Monitor equipment malfunctions	Thawed frozen flow meter. Returned to operation. Followed SSM plan.
01/30/2019 19:00	01/30/2019 19:59	1.0	Monitor equipment malfunctions	Thawed frozen flow meter. Returned to operation. Followed SSM plan.
02/12/2019 00:00	02/12/2019 00:59	1.0	Monitor equipment malfunctions	Flow meter cleaned. Returned to operation. Followed SSM plan.
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: January 1, 2019 - March 31, 2019
 Company Name: Ribbing Taconite Company
 Company Address: 4850 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU022
 Process Unit Description: Pellet Indurating Furnace Line No. 3; straight grate indurating furnace.
 Total Source Operating Time in Reporting Period: 2,119 hours
 Total Source Operating Days in Reporting Period: 80 days
 Emission Limitation: N/A
 Analyzer Analyte: NOX
 Analyzer Manufacturer: See Individual Stacks
 Analyzer Manufacturer Model No.: See Individual Stacks
 Analyzer Serial Number: See Individual Stacks
 Date of Latest CMS Certification or Audit: See Individual Stacks
 Description of changes in CEMS, processes, or controls since last reporting period: See Individual Stacks

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

Excess Emissions Details					
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Corrective Action
There were no periods of excess emissions during this reporting period					

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
See Individual Stacks				
		0.00		
		0.00		
		0.00		
		0.00		
		0.00		
		0.00		
		0.00		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: January 1, 2019 - March 31, 2019
 Company Name: Hibbing Taconite Company
 Company Address: 4950 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU022 SV029
 Process Unit Description: Pellet Indurating Furnace Line No. 3; straight grate indurating furnace.
 Total Source Operating Time in Reporting Period: 2,119 hours
 Total Source Operating Days in Reporting Period: 90 days
 Emission Limitation: N/A
 Analyzer Analyte: NOX
 Analyzer Manufacturer: TSI/Edyne Monitor Labs
 Analyzer Manufacturer Model No.: T200M
 Analyzer Serial Number: 213
 Date of Latest CMS Certification or Audit: 1/31/2019
 Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details					
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions
There were no periods of excess emissions during this reporting period					

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of monitor downtime during this reporting period				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: January 1, 2019 - March 31, 2019
 Company Name: Hibbing Taconite Company
 Company Address: 4950 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EIU22 SV029
 Process Unit Description: Pellet Indurating Furnace Line No. 3; straight grate indurating furnace.
 Total Source Operating Time in Reporting Period: 2,119 hours
 Total Source Operating Days in Reporting Period: 90 days
 Emission Limitation: N/A
 Analyzer Analyte: SO2
 Analyzer Manufacturer: Teledyne Monitor Labs
 Analyzer Manufacturer Model No.: T100H
 Analyzer Serial Number: 129
 Date of Latest CMS Certification or Audit: 2/6/2019
 Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details					
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Corrective Action
There were no periods of excess emissions during this reporting period					

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of monitor downtime during this reporting period				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

**Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)**

Reporting Period Dates: January 1, 2019 - March 31, 2019
 Company Name: Hibbing Taconite Company
 Company Address: 4950 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU022 SV029
 Process Unit Description: Pellet Indurating Furnace Line No. 3; straight grate indurating furnace.
 Total Source Operating Time in Reporting Period: 2,119 hours
 Total Source Operating Days in Reporting Period: 90 days
 Emission Limitation: N/A
 Analyzer Analyte: Stack Flow
 Analyzer Manufacturer: Sick Mahlak
 Analyzer Manufacturer Model No.: FLSE 100-H K179 3SHSHS
 Analyzer Serial Number: 11318676/ 11318683
 Date of Latest CMS Certification or Audit: 7/16/2018
 Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details					
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Corrective Action
There were no periods of excess emissions during this reporting period					

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of monitor downtime during this reporting period				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

**Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)**

Reporting Period Dates: January 1, 2019 - March 31, 2019
 Company Name: Hibbing Taconite Company
 Company Address: 4950 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU022 SV030
 Process Unit Description: Pellet Indurating Furnace Line No. 3; straight grate indurating furnace.
 Total Source Operating Time in Reporting Period: 2,119 hours
 Total Source Operating Days in Reporting Period: 90 days
 Emission Limitation: N/A
 Analyzer Analyte: NOX
 Analyzer Manufacturer: Teledyne Monitor Labs
 Analyzer Manufacturer Model No.: T200M
 Analyzer Serial Number: 212
 Date of Latest CMS Certification or Audit: 1/31/2019
 Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details					
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Corrective Action
There were no periods of excess emissions during this reporting period					

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of monitor downtime during this reporting period				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: January 1, 2019 - March 31, 2019
 Company Name: Hibbing Taconite Company
 Company Address: 4950 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU022 SV030
 Process Unit Description: Pellet Indurating Furnace Line No. 3; straight grate indurating furnace.
 Total Source Operating Time in Reporting Period: 2,119 hours
 Total Source Operating Days in Reporting Period: 80 days
 Emission Limitation: N/A
 Analyzer Analyte: SO2
 Analyzer Manufacturer: Teledyne Monitor Labs
 Analyzer Manufacturer Model No.: T100H
 Analyzer Serial Number: 130
 Date of Latest CMS Certification or Audit: 2/6/2019
 Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of monitor downtime during this reporting period				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: January 1, 2019 - March 31, 2019
 Company Name: Hibbing Taconite Company
 Company Address: 4950 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU022 SV030
 Process Unit Description: Pellet Indurating Furnace Line No. 3; straight grate Indurating furnace.
 Total Source Operating Time in Reporting Period: 2,119 hours
 Total Source Operating Days in Reporting Period: 80 days
 Emission Limitation: N/A
 Analyzer Analyte: Stack Flow
 Analyzer Manufacturer: Sick Mathak
 Analyzer Manufacturer Model No.: FLSE 100-H K178 3SHSHS
 Analyzer Serial Number: 11318682/ 11318681
 Date of Latest CMS Certification or Audit: 7/16/2018
 Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details					
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Corrective Action
There were no periods of excess emissions during this reporting period					

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of monitor downtime during this reporting period				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: January 1, 2019 - March 31, 2019
 Company Name: Hibbing Taconite Company
 Company Address: 4950 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU022 SV031
 Process Unit Description: Pellet Indurating Furnace Line No. 3; straight grate indurating furnace.
 Total Source Operating Time in Reporting Period: 2,119 hours
 Total Source Operating Days in Reporting Period: 90 days
 Emission Limitation: N/A
 Analyzer Analyte: NOX
 Analyzer Manufacturer: Teledyne Monitor Labs
 Analyzer Manufacturer Model No.: T200M
 Analyzer Serial Number: 214
 Date of Latest CMS Certification or Audit: 1/31/2019
 Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details					
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Corrective Action
There were no periods of excess emissions during this reporting period					

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of monitor downtime during this reporting period				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: January 1, 2019 - March 31, 2019
 Company Name: Hibbing Taconite Company
 Company Address: 4850 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU022 SV031
 Process Unit Description: Pellet Indurating Furnace Line No. 3; straight grate indurating furnace.
 Total Source Operating Time in Reporting Period: 2,119 hours
 Total Source Operating Days in Reporting Period: 90 days
 Emission Limitation: N/A
 Analyzer Analyte: SO2
 Analyzer Manufacturer: Teledyne Monitor Labs
 Analyzer Manufacturer Model No.: T100H
 Analyzer Serial Number: 132
 Date of Latest CMS Certification or Audit: 2/6/2019
 Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of monitor downtime during this reporting period				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: January 1, 2019 - March 31, 2019
Company Name: Hibbing Taconite Company
Company Address: 4950 Hwy 5 North
Hibbing MN
Process Unit Identification: EU022 SV031

Process Unit Description: Pellet Indurating Furnace Line No. 3; straight grate Indurating furnace.

Total Source Operating Time in Reporting Period: 2,119 hours
Total Source Operating Days in Reporting Period: 90 days
Emission Limitation: N/A
Analyzer Analyte: Stack Flow
Analyzer Manufacturer: Sick Maitrak
Analyzer Manufacturer Model No.: FLSE 100-H K176 35HSHS
Analyzer Serial Number: 11318670/ 11318677
Date of Latest CMS Certification or Audit: 7/16/2018

Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details					
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Corrective Action
There were no periods of excess emissions during this reporting period					

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of monitor downtime during this reporting period				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: January 1, 2019 - March 31, 2019
 Company Name: Hibbing Taconite Company
 Company Address: 4950 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU022 SV032

Process Unit Description: Pellet Indurating Furnace Line No. 3; straight grate indurating furnace.

Total Source Operating Time in Reporting Period: 2,119 hours
 Total Source Operating Days in Reporting Period: 90 days
 Emission Limitation: N/A
 Analyzer Analyte: NOX
 Analyzer Manufacturer: Teledyne Monitor Labs
 Analyzer Manufacturer Model No.: T200M
 Analyzer Serial Number: 195
 Date of Latest CMS Certification or Audit: 1/31/2019

Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of monitor downtime during this reporting period				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: January 1, 2019 - March 31, 2019
 Company Name: Hibbing Taconite Company
 Company Address: 4650 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU022 SV032
 Process Unit Description: Pellet Indurating Furnace Line No. 3; straight grate indurating furnace.
 Total Source Operating Time in Reporting Period: 2,119 hours
 Total Source Operating Days in Reporting Period: 90 days
 Emission Limitation: N/A
 Analyzer Analyte: SO2
 Analyzer Manufacturer: Teledyne Monitor Labs
 Analyzer Manufacturer Model No.: T100H
 Analyzer Serial Number: 131
 Date of Latest CMS Certification or Audit: 2/6/2019
 Description of changes in CEMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of monitor downtime during this reporting period				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates: January 1, 2019 - March 31, 2019
 Company Name: Hibbing Taconite Company
 Company Address: 4950 Hwy 5 North
 Hibbing MN
 Process Unit Identification: EU022 SV032
 Process Unit Description: Pellet Indurating Furnace Line No. 3; straight grate indurating furnace.
 Total Source Operating Time in Reporting Period: 2,119 hours
 Total Source Operating Days in Reporting Period: 90 days
 Emission Limitation: N/A
 Analyzer Analyte: Stack Flow
 Analyzer Manufacturer: Sick Mahak
 Analyzer Manufacturer Model No.: FLSE 103-H K178 35HSHS
 Analyzer Serial Number: 11318680/ 11318671
 Date of Latest CMS Certification or Audit: 7/16/2018
 Description of changes in CMS, processes, or controls since last reporting period: N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of monitor downtime during this reporting period				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		